For Research Use Only

APC-Cyanine7 Anti-Mouse CD4 (GK1.5) Rat IgG2a Recombinant Antibody

Catalog Number:AY7-65662

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Basic Information

Catalog Number:
AY7-65662

Size:
100ug , 200 ug/ml

Source:
Rat

Isotype:
IgG2a

GenBank Accession Number:
BC039137

GeneID (NCBI):
12504

Full Name:
CD4 antigen

Purification Method:
Protein G purification

CloneNo.:
GK1.5

Recommended Dilutions:
FC: 0.1 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
650 nm / 778 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse splenocytes,

Background Information

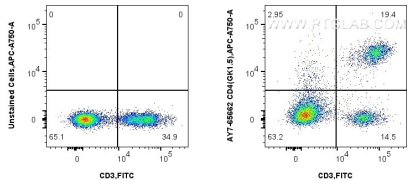
CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

Storage

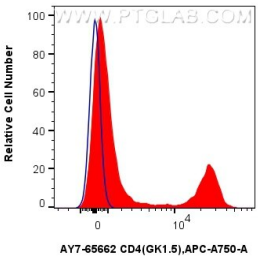
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



1x10^6 mouse splenocytes were surface stained with FITC Plus Anti-Mouse CD3, and 0.1 ug APC-Cyanine7 Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (AY7-65662, Clone: GK1.5) or unstained. Cells were not fixed.



1x10^6 mouse splenocytes were surface stained with 0.1 ug APC-Cyanine7 Anti-Mouse CD4 (GK1.5) Rat IgG2a RecAb (AY7-65662, Clone: GK1.5)(red) or unstained (blue). Cells were not fixed.